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L1: Entry 4 of 8

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TITLE: COPYING PREVENTION DEVICE AND METHOD

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## ABSTRACT:

PROBLEM TO BE SOLVED: To protect digital data on a data storage medium from unauthorized copying even when copying prevention information inside the data is forged.

SOLUTION: Copying protective device and method to be used in a digital data recorder like a DVD-RAM include the use of a DVD disk 1 provided with a unique serial number stored in the read-only part 2 of a disk for data recording. The serial numbers of the respective disks are digitally signed together with other copying control information. The digital signature is verified in a DVD player/recorder and whether or not the disk to be reproduced is an original disk or a proper copy is checked. When it is not either one, the reproduction recording of the data of the disk are blocked. A copying generation management system is executed by the use of the copying control information as well.

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